



VILLAGE OF TARRYTOWN

One Depot Plaza, Tarrytown, New York 10591-3199

Mayor

DREW FIXELL

Deputy Mayor

THOMAS T. BASHER

Trustees

THOMAS BUTLER

ROBERT HOYT

MARY McGEE

REBECCA MCGOVERN

DOUGLAS ZOLLO

VILLAGE ADMINISTRATOR

914-631-1885

VILLAGE TREASURER

914-631-7873

VILLAGE CLERK

914-631-1652

VILLAGE ENGINEER

914-631-3668

DEPT. OF PUBLIC WORKS

914-631-0356

FAX NO. 914-631-1571

January 9, 2015

Mr. Zaw Thein
Assistant Engineer
Bureau of Environmental Quality
Westchester County Department of Health
25 Moore St.
Mount Kisco, NY 10549

RE: Lead & Copper Rule Compliance Report – 2014 (July - December)
Village of Tarrytown, New York

Dear Mr. Thein:

Attached please find following documents for the six monthly lead and copper sampling monitoring from July 2014 to December 2014 by the Village of Tarrytown in accordance with the New York State sanitary code subpart 5-1:

1. Lead and Copper Rule Monitoring Report
2. 90th Percentile Tables for Lead and Copper
3. Lead and Copper Laboratory Test Results for the site locations
4. Water Quality Parameters (WQP) lab results

Please be advised that the Village have made efforts to obtain the required sixty (60) sample bottles. However, due to lack of response from the sampling sites and Village repeated reminders, we were only able to receive fifty eight (58) samples to date. As such, the 90th percentile table indicates results for the fifty eight (58) sample sites. Based on the results received to date, the Village meets the 90th percentile compliance for lead (8.46µg/L) and copper (555µg/L).

The Village is making arrangements to have the remaining two (2) samples to complete the sampling requirement of sixty (60) samples. As soon as the laboratory results are available, these will be submitted to the Department.

Page 2 – Lead and Copper Rule Compliance Report – July 2014 (July - December)
Village of Tarrytown, New York

Should you have any questions, or require additional information, please do not hesitate to contact us.

Very truly yours,



Michael J. McGarvey, P.E.
Village Engineer

MJM:dsb
Enclosure

cc: Michael Blau, Village Administrator
Arshad Jalil, P.E., BCEE, Principal, Professional Consulting, LLC. (w/ attachments)
Steven Cowles, Shaft #10 Pump Station-Tarrytown (w/ attachments)
Howard Wessells, Superintendent, DPW

2014 LEAD AND COPPER RULE MONITORING REPORT
Monitoring Period (July, 2014 to December, 2014)

System's Name: Village of Tarrytown Type: ☒ CWS ☐ NTNCWS
Shaft #10 P.S.
Dept. of Public Works

Address:



Size: ☐ >100,000
☐ 50,001 to 100,000
☒ 10,001 to 50,000
☐ 3,301 to 10,000
☐ 501 to 3,300
☐ 101 to 500
☐ ≤ 100

Telephone #: 914-631-0456
Fax #: 914-631-2258

Federal ID#: 00003461

Contact Person: Steve Cowles, Chief Operator, Type IB

THE RESULTS OF LEAD AND COPPER TAP WATER SAMPLES MUST BE
ATTACHED TO THIS DOCUMENT

of Samples required: 60 # of Samples submitted: 58

90th Percentile Level: Lead 8.46 µg/l Copper 555 µg/l

TARGETING CRITERIA

of single family structures with copper pipes
and lead solder installed after 1982 or lead pipes
and/or lead service lines (Tier 1) 36

of multi-family structures with copper pipes
with lead solder installed after 1982 or lead pipes
and/or lead service lines (Tier 1)
(Only applicable if multi-family structures comprise more
than 20% of the structures served by the water system) N/A

of buildings containing copper pipes
with lead solder installed after 1982 or lead pipes
and/or lead service lines (Tier 2) X

of sites that contain copper pipes and lead solder
installed before 1983 (Tier 3) 22

Total: 58

Explanation of Tier 2 and/or Tier 3 sites are used
(attach additional pages if necessary)

Tier #2 and Tier #3 sites were used in order to maintain testing 60 sample sites

LEAD SERVICES LINE SITES

of samples required to be drawn from lead service line sites N/A

of samples actually drawn from lead service line sites N/A

Difference (explain differences other than zero)

Method used to identify lead service line sites
(attach additional pages if necessary)

All recourses were found through water applications records from the village

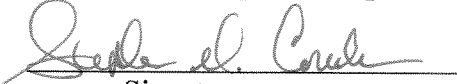
THE RESULTS OF WATER QUALITY PARAMETER (WQP) SAMPLES MUST BE ATTACHED TO THIS DOCUMENT

of samples required to be collected N/A

of WQP entry point samples required to be collected 10

of WQP tap samples actually collected and submitted N/A

of WQP entry point samples actually collected and submitted 10


Signature


Chief Operator Type 1B
Title

1/9/18
Date

CERTIFICATION OF COLLECTION METHODS

I certify that:

- Each first draw tap sample for lead and copper is one liter in volume and has stood motionless in the plumbing system of each sampling site for at least six hours.
- Each first draw sample collected from a single-family residence has been collected from the cold water kitchen tap or bathroom sink tap.
- Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.
- Each first draw sample collected during an annual or tri-annual monitoring period has been collected in the months of June, July, August or September.
- Each resident who volunteered to collect tap water samples from his/her home has been properly instructed by (insert water system's name) **Tarrytown Water Department** in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of these sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the results. Sampling was performed by the owners of house/buildings used in the reports.


Signature

Stephen G. Cowles
Name

WTP Chief Operator 1B
Title

11/9/15
Date

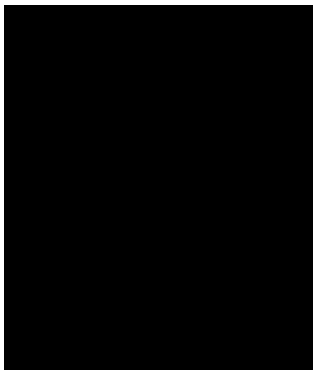
Exemption 6

CHANGE OF SAMPLING SITES

From Jan-2014 to Jun-2014 Monitoring Period to July-2014 to December-2014
Monitoring Period

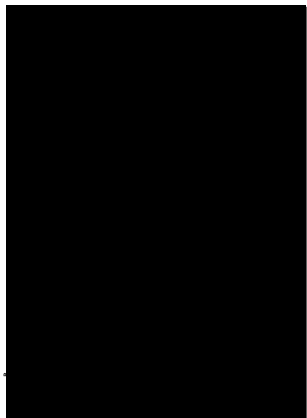
Original site address (Jan-2014 to Jun-2014):

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.



New site address (July-2014 to December-2014 Monitoring Period)
to replace the (Jan-2014 to Jun-2014 Monitoring Period):

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



Distance between sites (approximately): _____ 1 Mile _____

Targeting Criteria: New: _____ Old: _____ X _____

Reason for change (attach additional pages if necessary):

 X Old addresses would not continue in sampling. In order to complete the 60 sites
the new addresses were added. _____

Signature

A handwritten signature in cursive script, appearing to read "Stephen G. Cowles".

Stephen G. Cowles

Name

WTP Chief Operator 1B

Title

1/9/15

Date

Exemption 6

First Draw Sample Percentile Results 2014 (Jul - Dec) - Tarrytown- NY							
Sample #	Lead	Sample Date	Lead (µg/L)	Sample #	Copper	Sample Date	Copper (µg/L)
	Location				Location		
1		9/23/2014	<1.00	1		12/23/2014	<10.0
2		9/23/2014	<1.00	2		12/30/2014	<10.0
3		9/29/2014	<1.00	3		12/12/2014	10.4
4		9/29/2014	<1.00	4		9/24/2014	10.5
5		9/29/2014	<1.00	5		10/1/2014	19.5
6		9/26/2014	<1.00	6		9/24/2014	38.1
7		9/26/2014	<1.00	7		9/29/2014	50.8
8		9/26/2014	<1.00	8		9/25/2014	64.7
9		9/26/2014	<1.00	9		9/28/2014	81.9
10		9/25/2014	<1.00	10		12/17/2014	94.3
11		9/25/2014	<1.00	11		9/29/2014	113
12		9/24/2014	<1.00	12		9/29/2014	122
13		9/24/2014	<1.00	13		12/18/2014	124
14		10/2/2014	<1.00	14		12/23/2014	126
15		10/1/2014	<1.00	15		10/1/2014	161
16		12/12/2014	<1.00	16		9/23/2014	177
17		12/17/2014	<1.00	17		9/28/2014	230
18		12/18/2014	<1.00	18		9/23/2014	235
19		12/23/2014	<1.00	19		9/28/2014	236
20		12/23/2014	<1.00	20		9/24/2014	256
21		12/30/2014	<1.00	21		12/18/2014	257
22		9/24/2014	1	22		9/24/2014	276
23		9/23/2014	1.01	23		9/29/2014	304
24		10/9/2014	1.13	24		9/29/2014	314
25		9/26/2014	1.15	25		9/30/2014	328
26		9/23/2014	1.2	26		9/26/2014	332
27		9/26/2014	1.31	27		9/22/2014	340
28		9/26/2014	1.37	28		10/2/2014	350
29		9/29/2014	1.46	29		9/25/2014	356
30		9/23/2014	1.48	30		9/26/2014	367
31		9/23/2014	1.56	31		9/23/2014	371
32		9/29/2014	1.6	32		9/26/2014	375
33		9/29/2014	1.67	33		9/23/2014	375
34		9/24/2014	1.7	34		9/25/2014	389
35		9/27/2014	1.76	35		9/29/2014	407
36		9/23/2014	1.98	36		9/29/2014	410
37		9/30/2014	2.1	37		9/26/2014	414
38		12/21/2014	2.11	38		9/23/2014	422
39		9/29/2014	2.43	39		10/1/2014	423
40		9/26/2014	2.53	40		9/29/2014	437
41		9/29/2014	2.55	41		12/21/2014	438
42		9/23/2014	2.83	42		9/30/2014	443
43		9/24/2014	3.13	43		9/23/2014	449
44		9/24/2014	3.17	44		9/23/2014	474
45		9/22/2014	3.28	45		9/26/2014	483
46		9/26/2014	3.41	46		10/17/2014	484
47		10/17/2014	3.82	47		9/27/2014	486
48		9/22/2014	4.02	48		9/24/2014	495
49		9/29/2014	4.67	49		9/26/2014	496
50		10/1/2014	5.52	50		10/9/2014	511
51		9/25/2014	5.52	51		9/29/2014	536
52		9/23/2014	5.79	52		9/29/2014	538
53		10/1/2014	6.2	53		9/23/2014	550
54		9/23/2014	8.46	54		9/29/2014	555
55		9/30/2014	8.93	55		9/24/2014	615
56		12/1/8/14	18.7	56		9/23/2014	755
57		9/29/2014	108	57		9/22/2014	771
58		9/29/2014	135	58		9/23/2014	991
59				59			
60				60			

90th Percentile

Regulatory Action Limit - Lead	15 µg/L
90th Percentile	8.46 µg/L
Regulatory Action Limits - Copper	1,300 µg/L
90th Percentile	555 µg/L